

OperationGamma Function - Polynomial

$$y = \Gamma(1+x)$$

GAMP

Use

a) Calling Linkage

L	:	100	8	L+2	3ff	35f
L + 1:	/		5	/	/	GAMP:1
L + 2:	/		0]x[]y[β

b) Adaptation Link Word

L + 2: old]w[015 β

c) Storage

j = 29 wordsk = 21 orders8 constants1 opstos: 35f to Requirements and Performancea) Method of operation Floating
Polynomial Approximation (See Rand pg 158)b) Additional routines required
Nonec) Range and form of variable Floating Normalized

$$0 \leq x \leq 1$$

d) Accuracy
Absolute error ≤ 0.0000 0025
Maximum error $< 3 \times 10^{-5} \%$ (3×10^{-7})e) Performance time ~ 600 ms.